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2012

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citation for published version (APA)

Luijendijk, E. (2012). *The role of fluid flow in the thermal history of sedimentary basins: Inferences from thermochronology and numerical modeling in the Roer Valley Graben, southern Netherlands*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

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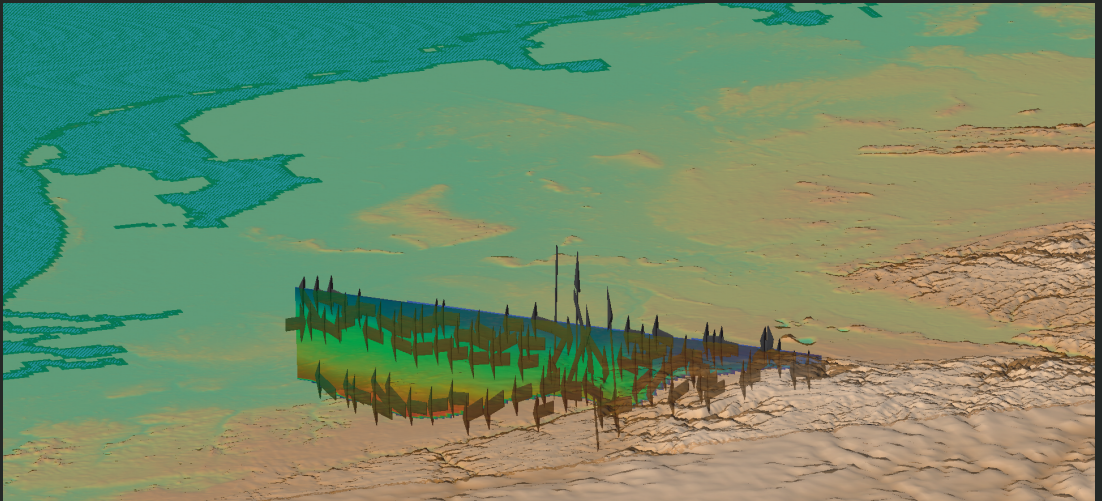
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The role of fluid flow in the thermal history of sedimentary basins

Inferences from thermochronology and numerical modeling
in the Roer Valley Graben, southern Netherlands



Elco Luijendijk

VRIJE UNIVERSITEIT

The role of fluid flow in the thermal history of sedimentary basins

**Inferences from thermochronology and numerical modeling in the
Roer Valley Graben, southern Netherlands**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan
de Vrije Universiteit Amsterdam,
op gezag van de rector magnificus
prof.dr. L.M. Bouter,
in het openbaar te verdedigen
ten overstaan van de promotiecommissie
van de faculteit der Aard- en Levenswetenschappen
op maandag 21 mei 2012 om 13.45 uur
in de aula van de universiteit,
De Boelelaan 1105

door

Elco Luijendijk

geboren te Delft

promotor: prof.dr. P.A.M. Andriessen
copromotoren: dr. M. ter Voorde
dr. R.T. van Balen

There are known knowns; there are things we know we know.
We also know there are known unknowns;
that is to say we know there are some things we do not know.
But there are also unknown unknowns - the ones we don't
know we don't know.

Donald Rumsfeld

I have approximate answers and possible beliefs in different
degrees of certainty about different things,
but I'm not absolutely sure of anything.

Richard Feynman

The research for this thesis was conducted at:

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and funded by the Netherlands Organisation for Scientific Research (NWO)



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This is NSG publication 20120521

Title: The role of fluid flow in the thermal history of sedimentary basins:
Inferences from thermochronology and numerical modeling in the Roer Valley
Graben, southern Netherlands
(PhD thesis, VU University Amsterdam)

Translated title: De rol van grondwaterstroming in de thermische evolutie van
sedimentaire bekkens - conclusies uit thermochronologie en numerieke modellen
van de Roerdalslenk, zuid Nederland
(Academisch proefschrift, Vrije Universiteit Amsterdam)

Typeset in L^AT_EX 2_ε

Printed by Wöhrmann Print Service, Zutphen